Sheet APR CEIVEL Docket Number (Optional) Application Number Subst. Form PTO-1449 ECD-0004 10/023,424 OINFORMATION DISCLOSURE CITATION IN AN APPLICATION Applicant Hart, et al. Filing Date (Use several sheets if necessary) Group Art Unit 12/12/01 2653 U. S. Patent Documents EXAMINER INITIALS DOCUMENT NUMBER FILING DATE DATE NAME CLASS SUBCLASS TP AA 4,168,396 09/18/79 178 22 10/31/77 Best AB 178 22 10/10/73 4,176,247 11/27/79 **Englund**  $\mathbf{AC}$ 4,223,050 09/16/80 Nyfeler, et al. 427 163 10/03/78 AD 01/20/81 364 200 09/14/78 4,246,638 **Thomas** ΑE 09/17/79 4,263,634 04/21/81 Chenoweth, et al. 360 133 AF 4 05/07/90 5,027,396 06/25/91 Platteter, et al. 380 AG 4,279,852 07/21/81 227 03/06/80 Engelmann 264 AH 4,333,113 06/01/82 Kalinowski 360 27 06/16/80 ΑI 4,335,173 06/15/82 Caraballo 428 65 09/22/80 AJ 07/25/80 4,336,981 06/29/82 Mori 350 358 下り ΑK 03/02/93 25 380 01/18/91 5,191,611 Lang FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER Translation DATE COUNTRY CLASS SUBCLASS YES NO AL**AM** AN AO AP AQ OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) AR AS AT

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		BB	4,446,519	05/01/84	Thomas	5	364	300	05/26	/81
		BC	4,453,074	06/05/84	Weinstei	n	235	380	10/19	/81
		BD	4,454,594	06/12/84	Heffron, e	t al.	364	900	11/25	/81
		BE	4,458,315	07/03/84	Uchenic	k	364	200	02/25	/82 ·
		BF	4,462,076	07/24/84	Smith, II	I.	364	200	06/04	/82
		BG	4,465,901	08/14/84	Best		178	22.08	07/02	/81
		вн	4,471,163	09/11/84	Donald, et	al.	178	. 22.08	10/05	/81
		BI	4,479,579	10/30/84	Miklos		206	309	11/24	/82
		BJ	4,495,526	01/22/85	Baranoff-Ro	ssine	360	15	10/25	/82
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i	СВ	4,528,588	06/09/85	Lofber	g	358	122 .	09/25
	CC	4,558,176	12/10/85	Arnold, et	t al.	178	22.08	09/20
	CD	4,573,119	02/25/86	Westheimer	, et al.	364	200	07/11
$\neg$	CE	4,577,289	03/18/86	Comerford,	et al.	364	900	12/30
	CF	4,584,641	04/22/86	Gugliemi	no	364	200	08/29
	CG	4,590,470	05/20/86	Koenig	Į.	340	825.31	07/11
	СН	4,593,353	06/03/86	Pickhol	tz	364	200	10/26
	CI	4,595,950	06/17/86	Lofber	g	358	122	12/17
	CJ	4,634,807	01/06/87	Chorley, e	t al.	178	22.08	08/23
T.D	СК	4,644,493	02/17/87	Chandra, e	et al.	364	900	09/14
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	DB	4,652,990	03/24/87	Pailen, <i>et</i>	al.	364	200	10/27	7/83
	DC	4,658,093	04/14/87	Hellma	n	380	25	07/11	/83
	DD	4,670,857	06/02/87	Rackma	ın	380	4	10/26	5/81
	DE	4,677,604	06/30/87	Selby, et	al.	369	33	02/04	1/85
	DF	5,312,663	05/17/94	Kosinski, a	et al.	428	64	12/27	7/91
	DG	4,683,553	07/28/87	Mollie	r	380	4	02/05	5/86
	DH	4,683,968	08/04/87	Appelbaum	, et al.	380	4	09/03	3/85
	DI	4,685,055	08/04/87	Thoma	s	364	200	07/01	/85
	DJ	4,695,993	09/22/87	Takagi, <i>e</i> r	t al.	369	54	06/10	)/85
TD	DK	4,698,695	10/06/87	Kosaka, e	t al.	358	338	09/16	/85
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	T.D	EA	4,724,492	02/09/88	Kosaka, e	t al.	358	342	09/16/8	35
		EB	4,734,796	03/29/88	Grynberg,	et al.	360	60	09/06/8	33
		EC	4,740,890	04/26/88	Willian	n	364	200	12/22/8	33
		ED	4,742,543	05/03/88	Frederiks	sen	380	9	07/10/8	36
		EE	4,747,139	05/24/88	Taaffe		380	44	10/21/8	36
		EF	4,752,554	06/21/88	Sato, et a	ıl.	430	273	06/02/8	36
		EG	4,757,468	07/12/88	Domenik, a	et al.	364.	900	04/21/8	37
		EH	4,757,534	07/12/88	Matyas, e	t al.	380	25	02/03/8	37
		EI	4,761,775	08/02/88	Murakai	mi	369	46	01/23/8	37
		EJ	4,785,361	11/15/88	Brotby		360	60	12/16/8	36
1	TID	EK	4,796,181	01/03/89	Wiedem	er	364	406	10/24/8	36
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1	FB	4,849,836	07/18/89	Kachikia	an	360	60	07/2	1/86
	FC	4,849,927	07/18/89	Vos		364	900	09/22	2/87
	FD	4,858,036	08/15/89	Ginkel		360	60	08/04	1/86
	FE	4,866,769	09/12/89	Karp		380	4	08/05	5/87
	FF	4,868,805	09/19/89	Hanami, e	t al.	369	53	08/13	3/87
	FG	4,879,704	11/07/89	Takagi, <i>e</i>	al.	369	14	07/10	5/87
	FH	4,891,504	01/02/90	Gupta		235	462	06/17	7/85
	FI	4,893,883	01/16/90	Satzler	•	305	10	03/02	2/88
	FJ	4,903,296	02/20/90	Chandra,	et al.	380	4	11/12	2/86
T.D	FK	4,907,216	03/06/90	Rijnsbur	ger	369	275	12/09	9/87
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TI	GA	4,910,725	03/20/90	Drexler, e	t al.	369	275	10/17	/86
	GB	4,942,565	07/17.90	Lagade	c	369	59	07/28	/89
	GC	4,949,331	08/14/90	Maeda, e	al.	369	275.3	06/17	/86
	GD	4,959,861	09/25/90	Howlet	te	380	4	07/13	/88
	GE	4,961,182	10/02/90	Saito, et	al.	369	124	06/29	/88
	GF	4,967,403	10/30/90	Ogawa, e	t al.	369	44.26	04/20	/88
	GG	5,473,584	12/05/95	Oshima	1	369	32	07/27	/94
	GH	4,975,898	12/04/90	Yoshid	a	369	100	08/18	/88
	GI	4,980,782	12/25/90	Ginkel		360	60	06/03	/85
	GJ	4,991,163	02/05/91	Tokushuku,	et al.	369	275.4	02/08	/88
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1	Lokhoff, e	t al.	369	48	12/20/88	
1	Lang		380	25	10/14/90	
2	Maeda, <i>et</i>	al.	369	32	12/13/89	
ı	Nagata, <i>et</i>	al.	- 380	3	06/13/90	
2	Kanota, <i>et</i>	al.	360	46	05/18/89	
	Ueda, et e	al.	369	32	04/20/90	
2	Matsuha	ra	380	23	03/11/91	
2	Nakamu	ra	380	30	01/15/91	
2	Aratani, e	t al.	369	13	08/29/90	
3	Komaki, e	t al.	369	275.4	05/28/91	_ .
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T.D	IA	5,224,087	06/29/93	Maeda, <i>et</i>	t <b>al.</b>	369	54	08/19/91	
	IB	5,243,423	09/07/93	DeJean, et	t al.	358	142	12/20/91	
	IC	5,255,007	10/19/93	Bakx		346	1.1	11/13/90	
	ID	5,276,738	01/04/94	Hirsch	1	380	46	12/17/92	
	IE	5,285,440	02/08/94	Matsud	a	369	275.3	12/11/92	
	IF	5,323,367	06/21/94	Tamura, e	et al.	369	32	10/22/92	
	IG	5,350,923	09/27/94	Bassignana,	, et al.	250	453.11	12/23/92	
	IH	5,371,792	12/06/94	Asai, et a	al.	380	3	12/21/93	
	п	5,379,433	01/03/95	Yamagis	;hi	395	725	03/16/93	
	IJ	5,392,351	02/21/95	Hasebe, <i>et</i>	t al.	380	4	03/15/93	
TD	IK	5,400,403	03/21/95	Fahn, et e	al	380	21	08/16/93	
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JA	5,410,527	04/25/95	Ashinuma	369	50	07/28/92
ЛВ	5,412,718	05/02/95	Narasimhalu, <i>et al</i> .	380	4	09/13/93
JC	5,418,852	05/23/95	Itami, <i>et al</i> .	380	4	03/17/93
JD	5,424,102	06/13/95	Mizukuki, <i>et al</i> .	427	510	01/03/94
JЕ	5,430,284	07/04/95	Numazaki	235	462	11/12/93
JF	5,457,668	10/10/95	Hibino, et al.	369	32	08/25/93
JG	5,457,746	10/10/95	Dolphin	380	4	12/19/94
JН	5,475,664	12/12/95	Shimzume, et al.	369	44.29	03/16/95
Л	5,489,768	02/06/96	Brownstein, et al.	235	414	12/31/92
JJ	5,513,169	04/30/96	Fite, et al.	369	272	11/29/94
JК	5,513,260	04/30/96	Ryan	380	3	06/29/94
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Docket Number (Optional) **ECD-0004** 10/023,424 INFORMATION DISCLOSURE CITATION Applicant IN AN APPLICATION APR 0 1 2012 Hart, et al. Filing Date Group Art Unit (Use several sheets if necessary) 12/12/01 20 U. S. Patent Documents FILING DATE EXAMINER INITIALS DOCUMENT NUMBER DATE NAME CLASS SUBCLASS KA 07/23/96 428 64.1 06/28/94 5,538,773 Kondo KB 369 06/02/95 5,541,904 06/02/95 Fite, et al. 58 KC 5,552,098 03/03/94 Kudo, et al. 264 106 03/03/94 **KD** 380 4 12/20/95 5,563,947 10/08/96 **Kikinis** KE 275.3 07/21/94 5,570,339 10/29/96 Nagano 369 KF Ozaki, et al. 275.4 09/11/95 5,572,507 11/05/96 369 KG 11/26/96 356 426 03/10/95 5,579,113 Papst, et al. KH 5,587,984 12/24/96 Owa, et al. 369 103 09/08/95 KI 5,590,111 12/31/96 Kirino, et al. 369 116 07/13/93 KJ 5,596,639 01/30/95 **Kikinis** 380 4 01/30/95 KK 14 08/26/97 Moribe, et al. 369 03/21/96 5,661,703 FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER Translation DATE CLASS SUBCLASS COUNTRY YES NO DL **DM** DN DO DP DO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DR DS DT EXAMINER DATE CONSIDERED 2/11/04 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.

Subst. Form PTO-1449

							Sheet	12	of 15
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-0	LA	5,696,757	12/09/97	Ozaki, <i>et</i>	al.	369	275.4	09/23	3/96
1	LB	5,698,833	12/16/97	Skinger	r	235	462	04/15/96	
	LC	5,706,047	01/06/98	Lentz, et	al.	347	262	04/24	1/95
	LD	5,706,266	01/06/98	Brownstein,	et al.	369	58	05/01	1/95
	LE	5,714,935	02/03/98	Ryan, Jr.		340	572	02/03/95	
	LF	5,719,937	02/17/98	Warren, et al.		380	4	09/12/96	
	LG	5,724,327	03/03/98	Timmermans, et al.		369	48	02/14	1/95
	LH	5,737,286	04/07/98	Timmermans, et al.		369	44.13	02/15	5/95
	LI	5,754,649	05/19/98	Ryan, et	al.	380	4	06/23	3/97
	LJ	5,761,301	06/02/98	Oshima, e	t al.	380	4	11/17	7/95
<u>FD</u>	LK	5,805,551	09/08/98	Oshima, e	t al.	369	59	04/25	5/97
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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DAT	
てり	MA	5,809,006	09/15/98	Davis, <i>et</i>	al.	369	275.4	05/31/96	5
1	MB	5,812,501	09/22/98	Moribe, et	al.	369	14	03/13/97	7
	MC	5,807,640	09/15/98	Ueno, et	al.	428	64.1	08/28/95	5
	MD	5,306,349	04/26/94	Nee		134	1	11/23/92	2
	ME	5,818,812	10/6/98	Moribe, e	al.	369	275.1	04/15/96	5
	MF	5,822,291	10/13/98	Brindze, e	t al.	369	94	11/21/95	5
	MG	5,826,156	10/20/98	Natsume, e	rt al.	399	389	02/27/97	7
	МН	5,267,311	11/30/93	Bakhou	m	380	4	12/08/92	2
	MI	5,886,979	03/23/99	Moribe, et	al.	369	275.3	03/14/97	7
	MJ	5,905,798	05/18/99	Nerlikar, e	t al.	380	3	05/02/97	7
T.D	MK	5,930,209	07/27/99	Spitzenberge	r, et al.	369	32	07/24/97	7
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ECD-0004

Application Number 10/023,424

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Hart, et al.

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			υ	J. S. Patent Documents			
XAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
TID	NA	5,930,210	07/27/99	Timmermans, et al.	369	44.13	11/26/97
1	NB	5,960,398	09/28/99	Fuchigami, et al.	704	270	07/28/97
	·NC	5,963,909	10/5/99	Warren, et al.	705	1	11/25/97
	ND	5,881,038	03/09/99	Oshima, et al.	369	59	04/18/95
	NE	6,052,465	04/18/00	Gotoh, et al.	380	4	05/16/96
	NF	6,101,476	08/08/00	Kamatakis, <i>et al</i> .	705	1	07/21/97
	NG	6,108,296	08/22/00	Kajiyama, et al.	369	275.4	08/19/98
	NH	6,122,739	09/19/00	Kutaragi, et al.	713	200	. 11/13/95
	NI	6,167,136	12/26/00	Chou	380	201	05/16/97
	NJ	6,204,981	03/20/01	Ogino, <i>et al</i> .	360	60	02/27/98
でり	NK	IK 6,226,244 05/01/01 Timmermans, et al. 369		48	04/21/99		
			FOREIG	GN PATENT DOCUM	IENTS		
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AMINER NITIALS		DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING IF APPRO	
TO	OA	6,262,967	07/17/01	Kajiyama,	et al.	369	275.4	01/20	)/00
1	ОВ	6,285,764	09/04/01	Gotoh, et	al.	380	203	10/04	1/00
	OC	6,298,138	10/02/01	Gotoh, et al.		380	203	10/04	1/00
	OD	6,304,971	10/16/01	Kutaragi, e	et al.	713	200	08/16	5/99
	OE	5,875,156	02/23/99	Ito, et al.		369	32	01/06/98	
T.D	OF	4,839,883	06/13/89	Nagata, et	al.	369	286	06/25/87	
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